

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Electric potential of earth is taken to be zero because the earth is good:	A. Semiconductor B. Conductor C. Insulator D. Dielectric
2	In 1905, the special theory of relativity was proposed by	A. Einstein B. Bohr C. Maxwell D. De Broglie
3	The flow of D.C current is opposed by	A. Resistor B. Induction C. Capacitor D. All of these
4	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potential difference increase B. Potential difference between the plates increase, stored energy decreases and charge remains the same C. Potential difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
5	The electric potential at a mid point in an electric dipole is.	A. 0 V B. 0.5 V C. 1 V D. 1.5 V
6	When charge particle enter perpendicular to magnetic field, the path followed by it is:	A. A helix B. A circle C. Straight line D. Ellipes
7	If speed of rotation of a generator is doubled the output voltage will be.	A. Remain same B. Double C. Four time D. One half
8	Various types of cancer are treated by	A. Carbon -14 B. Nickel -63 C. Cobalt -60 D. Strontium -90
9	Electro magnetic waves emitted from radio antenna are.	A. Stationary B. Longitudinal C. Transvers D. Both a and b
10	The A.M. transmission frequencies range from	A. 540 KHz to 1000 KHz B. 540 Khz to 1600 KHz C. 520 KHz TO 1600 KHz D. 520 KHz TO 1400 KHz
11	The electric field lines are closer where the field is	A. Strong B. Weak C. Uniform D. Variable
12	The direction of induced current is always so as to oppose the change which causes the current is:	A. Faraday's law B. Lenz's &nbsp;law C. Ohm's law D. Kirchoff's 1st rule
13	In the capacitive circuit of A.C. quantity when $q=0$ the slope of $q-t$ curve is.	A. Maximum B. Minimum C. Zero D. Negative
14	Hydrogen atom spectrum does not lie in	A. Ultraviolet region B. Visible region C. Infrared region D. X-ray region

D. X ray region

15 The value of maximum output power is?

- A.  $E/4R$
- B.  $E^2/4R$
- C.  $E/4R^2$
- D. Non of above

16 The thermistors convert changes of temperature into.

- A. Light energy
- B. Electric voltage
- C. Heat
- D. Sound

17 In A.C circuit of inductor which one is true

- A. Voltage leads current by phase angle  $\pi/2$
- B. Voltage lags current by  $\pi/2$
- C. Current leads voltage by  $\pi/2$
- D. Both remain in phase

18 The mass of beta particle is equal to the mass

- A. Proton
- B. Neutron
- C. Electron
- D. Photon

19 Light of 4.5 eV is incident on a Cesium surface and stopping potential is 0.25 eV, maximum K.E. of emitted electron is.

- A. 4.5 eV
- B. 4.25 eV
- C. 4.75 eV
- D. 0.25 eV

20 Laser is a beam of light which is

- A. Monochromatic
- B. Coherent
- C. Unidirectional
- D. All of these